

TABLE 2

RATIO CALCULATIONS AND SHUTDOWN SUMMARY

MAY 2010

MIDCO I AND II SITES

GARY, INDIANA

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Parameter	Units	Midco I Site	Midco II Site	Deep Well Site
HP/UV flow rate ¹	gpm	21 to 37	50.6 to 60	
HP/UV operating lamps	count	2	4	
UV tube cleaning cycle	hours	2.0	8.0	
Hydrogen peroxide feed	ppm	325	120	
pH, inlet to HP/UV unit	pH units	7.3	7.0	
Extraction well flow rates as of 5-31-10				
EW-1	gpm	9.0	4.0	
EW-2	gpm	9.0	2.0	
EW-3	gpm	4.0	9.0	
EW-4	gpm	2.0	6.0	
EW-5	gpm	4.0	N/A	
EW-6	gpm	2.0	8.0	
EW-7	gpm	9.0	3.0	
MW-3D	gpm	OFF	N/A	
MW-5D	gpm	4.0	N/A	
MW-6D	gpm	4.0	N/A	
Extraction well flow rates necessary for capture ²				
EW-1	gpm	6.4	13.0	
EW-2	gpm	6.4	13.0	
EW-3	gpm	N/A	16.9	
EW-4	gpm	1.0	8.0	
EW-5	gpm	N/A	N/A	
EW-6	gpm	1.7	5.7	
EW-7	gpm	6.4	9.1	
Range of detections from field gas chromatograph				
Methylene chloride	µg/L	N/A	N/A	
Vinyl chloride	µg/L	N/A	N/A	
Treatment operating flow rate less tube cleaning	gpm	31.4 to 36.3	49.8 to 59.7	
Total treated water volume ³	gallons	1,376,008	1,223,392	2,599,400
Design average flow rate ⁴	gpm	28.0	50.6	78.6
Month duration and operating time for average monthly flow rate calculation	days	31	31	
	minutes	44,640	44,640	
Non-GWETS-related shutdowns (pages 2 & 3)	minutes	425	425	
Annulus & pipeline testing shutdowns	minutes	0	0	
Operating time for average monthly operating flow rate calculation	minutes	44,215	44,215	
GWETS-related shutdown - scheduled & non-scheduled (see pages 2 and 3)	minutes	1,039	3,116	
Operation time excluding all shutdowns	minutes	43,176	41,099	
Average monthly operating flow rate ⁵	gpm	31.1	27.7	58.8
% average monthly operating flow rate to design average flow rate	%	111.1%	54.7%	74.8%
Average monthly flow rate ⁶	gpm	30.8	27.4	58.2
% average monthly flow rate to design average flow rate	%	110.1%	54.2%	74.1%
Waste materials stored on-site for off-site disposal				
Spent filters	cubic yards	19	3	
Anticipated off-site shipment	week of	June 3, 2010	August 9, 2010	
Waste shipments this month		None	None	
Filter cake	cubic yards	N/A	0	
Anticipated off-site shipment	week of	N/A	None	
Waste shipments this month		N/A	None	
Other wastes (specify):		None	None	
Anticipated off-site shipment	week of	N/A	N/A	
Waste shipments this month		None	None	

Key:

HP/UV = Hydrogen peroxide/ultraviolet light

GWETS = Ground water extraction and treatment system

gpm = Gallons per minute

µg/L = Micrograms per liter

N/A = Not applicable

Notes:

¹ HP/UV flow rate is the process water flow rate that goes through the HP/UV.² Extraction wells EW-3 and EW-5 at the Midco I Site are used for dewatering purposes only.³ Total treated water volume is obtained from the site treated water flow totalizer.⁴ Design average flow rate is the model-predicted flow rates of 21.0 or 50.6 gpm, respectively for the Midco I and Midco II Sites. The design average flow rates changed on February 24, 2003 from 24.5 to 50.6 gpm for Midco II. The Midco I design average flow rate varies between 21 and 28 gpm, based on dewatering.⁵ Average monthly operating flow rate is the total treated water volume divided by the operating time excluding all non-GWETS-related shutdowns. This value is different from the HP/UV flow rate because of the flow recycled during the tube cleaning.⁶ Average monthly flow rate is the totalized volume of treated water divided by the number of minutes for that month.